

Title (en)

METHOD TO REDUCE THE FORMATION OF HIGH BOILING COMPOUNDS DURING THE DEHYDROCHLORINATION OF 1,1,1,3-TETRACHLOROPROPANE

Title (de)

VERFAHREN ZUR VERRINGERUNG DER BILDUNG VON HOCHSIEDENDEN VERBINDUNGEN WÄHREND DER DEHYDROCHLORIERUNG VON 1,1,1,3-TETRACHLOROPROPAN

Title (fr)

PROCÉDÉ POUR RÉDUIRE LA FORMATION DE COMPOSÉS DE POINT D'ÉBULLITION ÉLEVÉ PENDANT LA DÉSHYDROCHLORATION DE 1,1,1,3-TÉTACHLOROPROPANE

Publication

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Application

EP 14778850 A 20140303

Priority

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- US 2014019794 W 20140303

Abstract (en)

[origin: US2014275658A1] This invention relates to a method to improve 1,1,3-trichloropropene (HCC-1240za) and/or 3,3,3-trichloropropene (HCC-1240zf) selectivity in the dehydrochlorination of 1,1,1,3-tetrachloropropane (HCC-250fb). In normal practice, FeCl₃ is used as the catalyst for the dehydrochlorination of HCC-250fb to produce 1,1,3-trichloropropene and/or 3,3,3-trichloropropene. Here the improvement comprises, using as the starting material, a mixture comprising HCC-250fb and Heavies generated from the reaction of CCl₄ and ethylene to produce HCC-250fb, wherein the Heavies comprise one or more tetrachloropentane isomers. These compounds reduce or eliminate the formation of unwanted high boiling compounds (HBCs).

IPC 8 full level

C07C 17/25 (2006.01); **C07C 17/275** (2006.01); **C07C 19/01** (2006.01); **C07C 21/04** (2006.01)

CPC (source: CN EP US)

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Citation (search report)

- [XI] JP 2011057650 A 20110324 - TOKUYAMA CORP
- [XI] WO 2012081482 A1 20120621 - TOKUYAMA CORP [JP], et al & EP 2628719 A1 20130821 - TOKUYAMA CORP [JP]
- See references of WO 2014164001A1

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